

RIKHTER, G.-D.

2

6.8-11

551.578.46

*Rikhter, Gavril Dmitrievich, *Snow cover, its formation and properties*. Translated by William Mandel from the original Russian article entitled: *Snezhnyi pokrov, ego formirovaniye i svolstva*. Izdat. Akademii Nauk SSSR, Moscow, 1945. Rev. ed. of 1950 translation.

U. S. Snow, Ice and Permafrost Research Establishment, Translation, No. 6, Aug. 1954. 66 p., 42 tables, 21 diagrs., 100 refs. MH-BH—This compact monograph on the formations and characteristics of snow cover is designed for the use of military engineers of the Red Army. It covers the following aspects: the physics and mechanics of snow cover formations; the density of snow, classification of snow, deposition of snow (drift, accumulation and methods of preventing snow accumulation); the principal physical characteristics and various effects of snow cover; weathering due to snow etc.; thawing of snow, flow of snow waters and their effects; and, finally, the distribution and properties of snow cover in the Soviet Union. Data on the properties of snow and snow cover, maps showing for the U.S.S.R. dates of first and last snow cover, duration and average depth of snow cover are given. A very full bibliography is included. (For abstract of original work, see item 2-151, Feb. 1950, MAB.) Subject Headings: 1. Snow cover 2. Snow mechanics 3. Snow physics 4. Snow bibliographies 5. U.S.S.R. I. Mandel, William (trans.).—I.L.D.

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RIKHTER, Gavril Dmitrievich.

RIKHTER, Gavril Dmitrievich. Sever Evropeiskoi chasti SSSR. Fiziko-geograficheskaya kharakteristika. Moskva, Geografgiz, 1940. 190 p. (Priroda SSSR; nauchno populjarnye ocherki)

"Ukazatel' literatury": p. 190-(91).

DLC: Unclass.

Cty ICU IU InU NNC

SO: LC, Soviet Geography, Part I, 1951, Uncl.

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8348. **Priroda Goroda Moskvy i Podmoskov'ia.** (Nature of the City of Moscow and Its Environs). A. A. Grigorev and G. D. Rikhter, editors. 378 pages. 1917. Geographic Institute, Academy of Sciences of the U.S.S.R., Moscow and Leningrad. (HC335. GM7p)

Discusses in detail the geography, geology, climate, and flora and fauna of the Moscow area and the city itself. Maps, tables, and photographs.

RIKHTER, G. D.

RIKHTER, G. D. Trudy A. I. Voeikova. (In Voeikov, Aleksandr Ivanovich. Izbrannye sochineniya; pod red. A. A. Grigor'eva. V. 1, p. 94-160. Moskva, Akademiia Nauk SSSR, 1948.)

DLC: Unclass.

SO: LC, Soviet Geography, Part I, 1951, Uncl.

1. RIKHTER, G. D.; DOLGUSHIN, L. D.
2. USSR (600)
4. Physics and Mathematics
7. Avalanches; Origin and Defense Against Them. G. K. Tushinskiy. (Moscow, Geography Press, 1949). Reviewed by G. D. Rikhter and L. D. Dolgushin. Sov. Kniga, No. 2, 1950.
9. [REDACTED] Report U-3081, 16 Jan. 1953. Unclassified.

1. RIKHTER, G. D.
 2. USSR (600)
 4. Geology and Geography
 7. Essays on Physical Geography of Chkalov District.
(Chkalov Regional Press, 1951). Reviewed by G. D. Rikhter,
Sov. Kniga, No. 7, 1953.
7. [REDACTED] Report U-3061, 16 Jan 1953, Unclassified.

GRIGOR'YEV, A. A.; GERASIMOV, I. F.; LOSKACH, A. G.; KAMANIN, L. G.; KUNIN, V. N.;
LAVRENKO, Ye. M.; MURZAYEV, E. M.; RIKHTER, G. D.; CHUBUKOV, A. N.; FORMOZOV, A. N.
RIKHTER, G. D.

Problemy Fizicheskoy Geografii (Problems of Physical Geography), Vol. 16, Symposium,
Moscow, 1951.

U-1483, 25 Sept 51

LEBEDEV, D. M.: RIKHTER, G. D.

Lepeknin, Ivan Ivanovich, 1740-1802

Principal features of the biography and scientific activity of Academician I. I. Lepekhin.
Izv. AN SSSR. Ser. geog. no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November ¹⁹⁵² ~~1953~~, Uncl.

MIL'KOV, F.N.; RIKHTER, G.D., doktor geograficheskikh nauk, redaktor.

[Middle Volga valley; description of its physical geography features] Srednee Povolzh'e; fiziko-geograficheskoe opisanie. Moskva, Izd-vo Akademii nauk SSSR, 1953. 261 p. (MIRA 7:3) (Volga Valley--Geography) (Geography--Volga Valley)

PIKHTER, G. D.

PA 243T64

USSR/Geophysics - Snowdrifts

Jan/Feb 53

"Some Laws of the Formation and Propagation of Snow-drifts, and Principles Governing Organization to Control Them," G.D. Pikhter, Geog Inst, Acad Sci USSR

"Iz Ak Nauk SSSR, Ser Geograf" No 1, pp 15-22

Report of conference on snowdrift held by the Western Siberian Affiliate of Acad Sci USSR in Novosibirsk on 25-28 Nov 52. Suggests studying laws governing processes of blown snow, transport of snow, and snow accumulation.

243T64

USSR/ Geography - Tundras

Card 1/1 Pub. 45 - 4/16

Authors : Rikhter, G. D.

Title : Scientific bases for controlling the present-day natural processes in the tundra zone

Periodical : Izv. AN SSSR. ser. geogr., 1, 33-40, Jan-Feb 1954

Abstract : Methods are suggested for offsetting the effect of the slanting solar radiation in the tundras, which causes the air and soil to be cold and vegetation stunted. Blackening the snow is found to cause it to melt several weeks earlier. By selecting the proper trees to plant under a covering of bushes the wind can be partially controlled and the tundra regions can be made to produce better pasture and other vegetation, thus adding to the food supply. Thirteen Russian and USSR references (1910-1953).

Institution : Geographic Institute of the Soviet Academy of Science

Submitted : ...

2-7-33 551.5:551.43 551.578.46
Richter, G. D., Nauchnaya sessiya Akademii Nauk Gruzinsskoi SSR po voprosam gornoi meteorologii. [Scientific session of the Academy of Sciences of the Georgian SSSR on problems of mountain meteorology.] *Akademika Nauk SSSR, Izvestia, Ser. Geogr.*, No. 1:93-94, Jan./Feb. 1954. DLC—The reports delivered at the joint session of the Institutes of Geography and Geophysics (May 15-17, 1953) dealt with problems of mountain meteorology, the study of snow cover in mountains and the development of avalanches. The peculiarity of meteorological conditions in mountain regions and the influence of relief on incoming and outgoing radiation and the state of the air mass is such that unusual local meteorological situations are created. These should be studied in regard to their genesis, mechanism, distribution and variation. The reports on the study of snow cover embrace the problem of physical properties of snow made under actual conditions and in a special snow physics laboratory. The resistance of snow to compaction and frictional stresses is important in the formation of snow slides.
Subject Headings: 1. Mountain meteorology 2. Snow cover research 3. Avalanches
4. Georgian SSR. Acad. of Sciences.—A.M.P.

USSR/ Meteorology - Effect of snow

Card 1/1 Pub. 45 - 4/17

Authors : Richter, G. D.

Title : The snowy covering and its role in the people's economy

Periodical : Izv. AN SSSR. Ser. geog. 3, 42-49, May - Jun 1954

Abstract : All aspects of the effect of snow are discussed, such as the impeding of traffic on roads and railways, avalanches, using snow as a building material, reduction in the amount of light absorption by the earth's surface, the prevention of warmth and gases from passing from the ground to the atmosphere, the protection of plants and the providing of a water supply for agriculture during the summer. Twelve USSR references (1871-1953).

Institution: Geographic Institute of the Academy of Sciences of the USSR

Submitted:

RIKHTER, G.D., doktor geograficheskikh nauk, redaktor; SENILOVA, M.N.,
redaktor; MOSKVICHIEVA, N.I., tekhnicheskiy redaktor.

[Problems of studying snow and its utilization in the national
economy] Voprosy izuchenija snega i ispol'zovaniia ego v narodnom
khoziaistve. Moskva, Izd-vo Akademii nauk SSSR, 1955. 175 p.
(MIRA 8:4)

1. Akademiya nauk SSSR. Institut geografii.
(Snow)

NASIMOVICH, A.A.; RIKHTER, G.D., doktor geograficheskikh nauk, redaktor;
FORMOZOV, A.N., doktor biologicheskikh nauk, redaktor; VOLYNSKAYA,
V.S., redaktor; ALEKSEYEVA, T.V., tekhnicheskiy redaktor.

[Influence of snow cover on the life of ungulates within the
territory of the U.S.S.R.] Rol' rezhima snezhnogo pokrova v
zhizni kopytnykh zhivotnykh na territorii SSSR. Moskva, Izd-vo
Akademii nauk SSSR, 1955. 401 p. (MLRA 8:12)
(Snow) (Russia--Ungulata)

RIKHTER, G.D.

Coordinated meeting on problems of the study and use of snow in
the national economy. Izv.AM SSSR. Ser.geog. no.3:87-89 My-Je
'55. (MIRA 8:9)

(Snow)

RIKITTER, G.D.

Principal orographic features of the northern polar regions.
Izv.AN SSSR. Ser.geog. no.4:29-34 J1-Ag'55. (MIRA 8:10)

1. Institut geografii Akademii nauk SSSR
(Arctic regions--Mountains)

RIKHTER, G.D., doktor geograficheskikh nauk

Study and utilization of snow (conference in the Institute of Geography). Vest. AN SSSR 25 no.4:103-104 Ap '55. (MIRA 8:?)
(Snow)

RIKHTER, G.D.

Natural features of the middle Angara Valley and the upper Lena
Basin. Trudy Inst.geog. no.64:105-159 '55. (MLRA 8:11)
(Angara Valley--Physical geography) (Lena Valley--Physical
geography)

RIKHTER, G.D., doktor geograficheskikh nauk, otvetstvennyy redaktor;
VOLINSKAYA, V.S., redaktor izdatel'stva; POLYAKOVA, T.V., tekhnicheskiy redaktor

[Problems of snow utilization and the struggle with snow drifts and avalanches] Voprosy ispol'zovaniia snega i bor'ba so snezhnymi zanosami i lavinami. Moskva, 1956. 182 p. (MLRA 9:8)

1. Akademiya nauk SSSR, Institut geografii.
(Avalanches) (Snow)

RIKHTER, G.D., doktor geograficheskikh nauk, redaktor; VOLYNSKAYA, V.S.,
redaktor; MAKUNI, Ye.V., tekhnicheskiy redaktor.

[Snow and snow waters; their study and utilization] Sneg i talye
vody; ikh izuchenie i ispol'zovanie. Moskva, 1956. 271 p.
(MLRA 9:6)

1. Akademiya nauk SSSR. Institut geografii.

(Snow) (Thawing) (Water supply)

RIKHTER, G.D., doktor geograficheskikh nauk, otvetstvennyy redaktor;
MIL'KOV, F.N., doktor geograficheskikh nauk, otvetstvennyy redaktor;
VOLYNSKAYA, V.S., redaktor izdatel'stva; AUZAN, N.P., tekhnicheskiy
redaktor

[Forest-steppe and steppes of the Russian plains] Lesostep' i step'
russkoi ravniny. Moskva, 1956. 295 p. (MLRA 9:9)

1. Akademiya nauk SSSR. Institut geografii.
(Steppes)

RIKHTER, G.D., doktor geograficheskikh nauk, otvetstvennyy redaktor;
D'yACHENKO, A.Ye., dandidat sel'skokhozyaystvennykh nauk, otvet-
stvennyy redaktor; KAVUN, P.K., redaktor izdatel'stva; SOMOROV,
B.A., tekhnicheskiy redaktor

[Erosion in agriculture and its control] Sel'skokhoziaistvennaya
eroziiia i bor'ba s nej. Moskva, 1956. 373 p. (MIRA 10:2)

1. Akademiya nauk SSSR. Institut geografii.
(Erosion)

D-6

USSR/General Biology. General Ecology.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 90450.

Author : Ridder, G.D.

Inst :
Title : Problems in the Study of Snow and Snow-Blankets.

Orig Pub: V sb.: Sneg i talyye vody. Ikh izucheniiye i ispol'zovaniye.
M., AN SSSR, 1956, 5-10.

Abstract: No abstract.

Carl : 1/1

15-57-6-7556

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 6,
pp 43-44 (USSR)

AUTHORS: Rikhter, G. D., Kamanin, L. G.

TITLE: Comparative Morphological Characteristics of the
Shields of European USSR (Sравнительная морфологич-
еская характеристика щитов Европейской части
СССР)

PERIODICAL: V sbt: Vopr. geografii, Moscow-Leningrad, AN SSSR,
1956, pp 80-89

ABSTRACT: The basic morphological characteristics on the surface
of the Baltic shield are determined by structural
dislocations; erosion, abrasion, solifluction due to
freezing, eolian processes and other factors play a
secondary role. Fractures in the topography of the
shield involve strata which extend in straight lines
and alternate with depressions partially occupied by

Card 1/2

15-57-6-7556

Comparative Morphological Characteristics (Cont.)

lakes, swamps and rivers. These fractures are reflected in the shore lines along the margins of the shield. The orographic lines controlled by the fractures form a system of radii and concentric arcs whose centers are situated within the deep Scandinavian depression. This system of fractures extends to Greenland, which like the Baltic shield may be regarded as a fragment of a single huge crystalline, partially submerged block (Eria), with its fractures lying below sea level. The same features are observed in the arrangement of the orographic lines in the Canadian shield, where the center of the system is located in the area of Foxe Basin. Radial and concentric systems of orographical directions extend to portions of the platforms adjoining the Baltic and Canadian shields. The surface of the Ukrainian shield carries an eroded topography. Here too, however, there is a connection between the arrangement of the hydrographic system and the basement structure. Drawings of the main orographic lines of Europe and North America are included.

Yu. A. K.

Card 2/2

GERASIMOV, I.P.; ARMAND, D.L.; BUDYKO, M.I.; DAVITAYA, F.F.; DZERDZEYEVSKIY, B.L.;
KUNIN, V.N.; L'VOVICH, M.I.; RIKHTER, G.D.; SHEVTSOV, P.F.

Thermal and hydrological regime of the earth's surface, its role in the
dynamics of natural processes, geographical differences, and methods of
transforming it for practical purposes. Izv.AN SSSR.Ser.geog. no.4:
47-59 Jl-Ag '56. (MLRA 9:10)
(Hydrology)

RIKHTER, G.D.

"In memory of Academician L.S.Berg: Collected works on geography and biology." Reviewed by G.D.Rikhter. Izv.AN SSSR.Ser.geog.no.4:142-143
Jl-Ag '56. (MIRA 9:10)
(Berg, Lev Semenovich, 1876-1950) (Geography)

RIKHTER, G.D.

"Izvestia" of the Komi Branch of the Geographic Society of
the U.S.S.R., volume 1, no.1, 1951; vol.1. no 2. 1954; vol.
1, no.3, 1955. Reviewed by G.D. Rikhter. Izv. AN SSSR. Ser.
geog. no.5:133-134 S-O '56 (MLRA 9:11)

(Geography--Periodicals)

RIKHTER, G.D., professor.

Problems in the study and use of snow (conference in Nalchik).
Vest. AN SSSR 26 no.7:86-87 Jl '56. (MLRA 9:9)
(Nalchik--Snow)

RIKHTER, G.D., professor.

First snow. Priroda 45 no.11:123-124 N '56. (MLRA 9:11)

1. Institut geografii Akademii nauk SSSR, Moskva.
(Snow)

RIKHTER, G. D., professor

Lakes of the West Siberian Lowland. Priroda 46 no. 9:95-98 S '57.
(MIRA 10:8)

1. Institut geografii Akademii nauk SSSR, Moskva.
(Siberia, Western--Lakes)

ANISIMOV, Mikhail Ivanovich; RIKHTER, G.D., otvetstvennyy red.; NASIMOVICH,
A.A., red. izd-va; GUSEVA, A.P., tekhn. red.

[Snow and avalanches] Sneg i snezhnye obvaly. Moskva, Izd-vo Akad.
nauk SSSR, 1958. 98 p. (MIRA 11:7)

(Snow and avalanches)

NIKOL'SKAYA, Vera Vasil'yevna; GRIGOR'YEV, Dmitriy Pavlovich; NASULICH, Lidiya Fedorovna; RIKHTER, G.D., doktor geograficheskikh nauk, otvetstvennyy red.; POCHENKUTOV, K.I., red. izd-va; ZELENKOVA, Ye.V., tekhn. red.

[Zeya-Bureya Plain; papers on its physical geography in relation to agricultural exploitation] Zeisko-Bureinskaia ravnina; materialy po fizicheskoi geografii v sviazi s sel'skokhoziaistvennym ispol'zovaniem. Moskva, Izd-vo Akad. nauk SSSR, 1958. 133 p. (MIRA 11:7)
(Zeya-Bureya Plain--Physical geography)

RIKHTER G.D.

RIKHTER, G.D., doktor geograficheskikh nauk, otvetstvennyy red.; KAVUN, P.K.,
red.izd-va; KASHINA, P.S., tekhn.red.

[Agricultural erosion and new methods of studying it] Sel'skokhoziai-
stvennaya eroziya i novye metody ee izuchenia. Moskva, 1958.
228 p. (MIRA 11:3)

1. Akademiya nauk SSSR. Institut geografii.
(Erosion)

ZOLESNIKOV, B.P., doktor biolog.nauk, otv.red.; RIKHTER, G.D., prof.,
doktor geograf.nauk, otv. red.; NIKOL'SKAYA, V.V., kand.geograf.
nauk; KAVUN, P.K., red.izd-va; MAKUNI, Ye.V., tekhn.red.

[Physical geography of the southern Far East; Khanka Plain and
adjoining areas of the Maritime Territory] Materialy po fizi-
cheskoi geografii iuga Dal'nego Vostoka; Prikhankaiskaia ravnina
i prilegaiushchie k nej raiony Primorskogo kraia. Moskva, 1958.
(MIRA 12:1)
299 p.

1. Akademiya nauk SSSR. Dal'nevostochnyy filial, Vladivostok.
Institut geografii.
(Maritime Territory--Physical geography)

3(5) PLATE 2 BOOK INFORMATION 807/1781

Academy and USSR. Institute geograf.

Vernoy Rishnitsky. Secular. [Problems in Physical Geography]
Moscow, Izd-vo Ak SSSR, 1958. 370 p. Errata will inserted.
1,500 copies printed.

Prof. M.I. Sh. Richter, Doctor of Geographical Sciences.

Professor Ed. of Publishing House: D.M. Tuganov.

Author: This book is intended for meteorologists, hydrologists,
pedologists, geologists, and students of physical geography
in general.

Contents: These articles are dedicated to Academician A.A.
Vernoy, gave a commemoration of his seventy-fifth birthday.
They treat problems in physical geography per-
taining to the northern regions of the USSR and particularly
those of Yakutia. The majority of the articles are devoted
to questions of latitudinal and vertical zonation and contain
much factual material on the relationship between the various
geographic components. Practical conclusions and meteoro-
logical principles are cited. Each article is accompanied by
maps, photographs and numerous bibliographic references.

Problems in Physical Geography 807/1781

Korshunov, S.A. Attempt to Divide the Territory of
Tatarsia into Large Natural Units 183

Khavary, N.N. Geographical Zoning of the Easters
Part of the Central Yakutskaya Plains 228

Richter, S.B. The Origin and Evolution of "Masses"
in Mountains 298

Richter, S.B. Problems in the Dynamics of Surface
Shaping in the Arctic in Connection With the Origin
of Sayalchayev's Mountains 285

Smitova, L.P. Perennial Frost and Related Landforms
in the Northwestern Part of the West Siberian Plains 313

Sokov, V.I. and N.G. Predina. The Yacht, Exploration
of the Academy of Sciences of the USSR 1925-1950
and The Studies in Physical Geography 338

AVAILABLE: Library of Congress

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card 4/A

7

RAND R-67
3(5)

PHASE I BOOK EXPLOITATION SOV/1192

USSR Ministerstvo geologii i okhrany nedr

Geologiya SSSR, t. XXVII: Murmanskaya oblast'. Ch. I, Geologicheskoye opisanije. (Geology of the USSR, v. 27. Murmansk Oblast. Pt. I, Geological Description) Moscow, Gosgeoltekhnizdat, 1958. 714 p.
4,000 copies printed.

Editorial Staff: Abdullayev, Kh.M., Aladinskiy, P.I., Aliyev, M.M., Amiraslanov, A.A., Antropov, P.Ya. (Chief Ed.), Aslanyan, A.T., Assovskiy, A.N., Bakirov, A.A., Belevtsev, Ya.M., Belousov, V.V., Belyayevskiy, N.A. (Dep. Chief Ed.), Betekhtin, A.G., Bogdanov, A.A., Bogatyrev, A.S., Vas'kovskiy, A.P., Veber, V.V., Golubin, V.N., Dzhanelidze, A.I., Drabkin, I.Ye., Yershov, V.A., Zaytsev, I.A., Kereselidze, K.G., Koptev - Dvornikov, V.S., Kreyter, V.M., Krasnikov, V.I. (Dep. Chief Ed.), Kuz'menko, V.I., Librovich, L.S., Lungersgauzen, G.F., Magak'yan, I.G., Malinovskiy, F.M., (Dep. Chief Ed.), Marinov, N.A., Markovskiy, A.P., Merkulov, M.I. (deceased), Mirlin, G.A., Mirchink, M.F., Nalivkin, D.V., Nedzvetskiy, A.P., Nikitin, P.M., Nikolayev, V.A. (Dep. Chief Ed.), Paffengol'ts, K.N., Saks, V.N., Satpayev, K.I., Semenenko, N.P., Sinitsin, N.M., Snyatkov, L.A., Strakhov, N.M., Tatarinov, P.M., Tyzhnov, A.V.

Card 1/ 11

Geology of the USSR (Cont.)

SOV/1192

Fedynskiy, V.V., Shatskiy, N.S., Shcherbakov, S.A., Shlygin, Ye.D., Yanshin, A.L., Yarmolyuk, V.A., Ed. of Publishing House: Godovikova, L.A.; Tech. Ed.: Gurova, O.A.

PURPOSE: This standard text on the geology of the USSR is intended for scientists and students of geology.

COVERAGE: The present volume, one of a series on the geology of the USSR, is devoted to a description of the Murmansk Oblast, an area rich in mineral resources and of great economic importance to the USSR. Bounded on the west by Norway and Finland, in the south by the Karelian SSR, and in the north and east by the Barents and the White seas, it encompasses the Kola Peninsula, and constitutes a part of the extensive Baltic Shield. Its crystalline base is mainly Archean, with the entire region, except the coastal strip and the high mountain tundra, consisting of Quaternary deposits, often of great thickness. The present work was prepared by a group of scientists under the direction of L.Ya. Kharitonov, assisted by A.P. Rotay in editing the section on stratigraphy and N.A. Volotovskaya in editing certain of the articles. There are 50 maps, including 1 large supplementary map in color, and 650 references of which approximately 550 are Soviet, 34 German, 12 English, 5 Norwegian, 5 Swedish, 5 Finnish, and 5 French.

Card 2/11

Geology of the USSR (Cont.)

SOV/1192

TABLE OF CONTENTS:

Introduction (Kharitonov, L.Ya.)	7
Ch. I. Review of Past Geological Explorations (Kharitonov, L.Ya.)	10
Ch. II. Physico-Geographic Description (Rikhter, G.D.)	20
Relief	20
Climate	27
Hydrography	36
Soil-vegetation conditions	40
Basic economic regions	
Ch. III. Basic Features of Geological Structure (Kharitonov, L. Ya.)	42
Distribution, composition and age of geological formation	42
Basic tectonic elements	55
Period of initiation of basic tectonic processes and magmatic activity	57
Ch. IV. Stratigraphy, Magnetic Differentiation and Metamorphic Phenomena	63
Card 3/11	

Geology of the USSR (Cont.)

SOV/1192

Archean	63
Introduction (A. Kharitonov, L.Ya.)	63
Stratigraphy (Ozhinskiy, I.S.)	69
Magmatic activity and metamorphism	91
Basic Lower Archean intrusions (Ozhinskiy, I.S.)	91
Gabbro-amphibolite and amphibolitic gneissic complexes	91
Hypersthenic gneiss-diorite complexes	95
Basic Upper Archean intrusions	98
Complex of basic metamorphic rocks of granulitic formation (Volodin, Ye.N. and Polferov, D.V.)	98
Complex of anorthosites, gabbro-norites, gneissic norites and diorites of the Kandalaksha, Kolvitskoe Lake and Por'ya	
Gulf regions (Volodin, Ye.N.)	112
Archean granites	121
Complex of Lower Archean oligoclase granites, granodiorites and gneissic granites (Ozhinskiy, I.S.)	121
Microcline granites of the Upper Archean (Kharitonov, L.Ya. and Volodin, Ye.N.)	126
Conclusions	137
Proterozoic	139
Foreword (Kharitonov, L.Ya.)	139

Card 4/11

Geology of the USSR (Cont.)

SOV/1192

Stratigraphy	148
Proterozoic formations of the eastern part of the Kola Peninsula	150
Imandra-Varzuga suites (Yegorova-Furzenko, Ye.N.)	150
Sedimentary - volcanic complex of rocks in rivers	
Ponoy-Kachkovka-Snezhnitsa area (Yegorova-Furzenko, Ye.N., supplementary remarks by L.Ya. Kharitonov.)	175 180
Keyv suite (Sokolov, P.V.)	
Voron'ya Tundra - Porosozero suites-(Voron'ya - Porosozero) (Yegorova-Furzenko, Ye.N. and Sokolov, P.V.)	246
Proterozoic formations of the northwestern part of the Kola Peninsula	253
Complex of slaty amphibolites (Yegorova-Furzenko Ye.N.)	253
Lower-Proterozoic formations of the White Sea area	
(Korva tundra suites Yegorova-Furzenko, Ye.N.)	257 258
Suite of slaty-amphibolites of the Podas, Khanlaut-Varaka, Terma and Kareka tundras (Yegorova-Furzenko, Ye.N.)	260
Tikshozer suite (Kharitonov, L.Ya.)	262

Card 5/11

Geology of the USSR (Cont.)	SOV/1192
Conclusion (Kharitonov, L.Ya.)	263
Proterozoic intrusions	270
Basic magma intrusions	270
Lower proterozoic basic and ultrabasic rocks of the northwestern part of the Kola Peninsula (Murashov, D.F.,—supplementary data by Ye.N. Yegorova-Fursenko and L.Ya. Kharitonov).	270
Upper Proterozoic nickel-bearing intrusions of basic and ultrabasic rocks of Volch'ya, Moiche, and Chuna tundras. (Murashov, D.F., supplementary data by Ye.N. Yegorova-Fursenko and L.Ya. Kharitonov).	277
Basic and ultrabasic rocks of the eastern part of the Kola region	289
Basic and ultrabasic rocks of the Imandra-Varzuga suite (Murashov, D.F. and Yegorova-Fursenko, Ye.N.)	291
Basic rocks of the Keyv suite (Kharitonov, L.Ya.)	298
Ultrabasic intrusives of the Voron'i tundras: Okhmyl'k Leshaya, Polmos (Yegorova-Fursenko, Ye.N.)	309
Basic and ultrabasic rocks of the White Sea region	311
Gabbro, gabbro-norites, peridotite and pyroxenite intrusions of Sal'nyye and Tuadash tundras (Volodin, Ye.N.)	311

Card 6/11

Geology of the USSR (Cont.)

SOV/1192

Basic and ultrabasic intrusions of Mt. Zasteyd II and Lovmozero (Murashov, D.F. and Polferov, D.V.)	314
Ultrabasic intrusions of the "Serpentinovyy Poyas" (Serpentine Belt)-Podas Tundra, etc. (Murashov, D.F.)	318
Olivine pyroxenites, peridotites and other younger intrusions of the Kolvitskiy and Kandalakshskiy massifs (Kharitonov, L.Ya.)	321
Basic and ultrabasic rocks of the basin of the lower Varzuga, Strel'na, Pyalitsa Rivers and the Ondomskiye Lakes (Kharitonov, L.Ya.)	322
Granites	
Microcline granites of the northwestern part of the Kola region (Yegorova-Fursenko., Ye.N.)	325
Microcline granites of the eastern part of the Kola region (Yegorova-Fursenko, Ye.N. Kharitonov, L.Ya.)	328
Microcline granites of the White Sea region (Kharitonov, L.Ya.)	333
Metamorphism of Proterozoic formations (Yegrova-Fursenko, Ye,N. and Kharitonov, L.Ya.)	337
Metamorphic phenomena and the origin of the Keyv crystalline suite of rocks (Kharitonov, L.Ya.)	344
General conclusion on magmatic phenomena in the Proterozoic	

Card 7/11

Geology of the USSR (Cont.)

SOV/1192

(Kharitonov, L.Ya. and Yegorova-Furzenko, Ye.N.)	352
Problems of further study of Proterozoic formations	356
(Kharitonov, L.Ya. and Yegorova-Furzenko, Ye.N.)	358
Paleozoic	358
Introduction (Kharitonov, L.Ya.)	361
Stratigraphy	361
Eo-cambrian deposits of Rybachiy and Srednyi peninsulas and Kil'din Island (Lyutkevich, Ye.M. and Kharitonov, L.Ya.)	361
Terskaya suite (Yegorova-Furzenko Ye.N., Yeliseyev, N.A. and Yudin, B.A.)	370
Lower Paleozoic	378
Pechenga-Kuchin suite (Kuryleva, N.A., Yegorova-Furzenko, Ye.N., supplementary data by Kharitonov L.Ya.)	378
Middle Paleozoic	400
Lovozerskaya suite (Eliseyev, N.A.)	400
Paleozoic intrusions	403
Introduction (Kharitonov, L.Ya.)	403
Lower Paleozoic intrusions	405
Basic and ultrabasic intrusions in the Pechenga-Kuchin suite (Papushis, B.I.)	405

Card 8/11

Geology of the USSR (Cont.)

SOV/1192

Ultrabasic and alkaline shield intrusions of Caledonian Time	418
Kovdorskiy massif (Volotovskaya, N.A.)	419
Afrikanda massif (Yeliseyev, N.A.--supplementary data by M.S. Afanas'yev)	428
Massifs in the Khabozero region (Yeliseyev, N.A.)	431
Koydozerskiy massif (Volotovskaya, N.A.)	433
Dikes of the Kandalakshskoe littoral (Yeliseyev, N.A.)	435
Salmogorskiy massif (Gubachem, B.V.)	437
Gremiyakha-Vyrmes massif (Yeliseyev, N.A.)	438
Alkaline granites	442
Alkaline granites of the eastern part of the Kola region	444
Zapadnyy Keyv massif (Ginzburg, I.V. and Volotovskaya, N.A.)	444
Massif of the Belaya Tundra region (Fizhenko, V.V. and Volotovskaya N.A.)	455
Massif of Mt. Lavrent'yevskaya (Fizhenko, V.V. and Volotovskaya N.A.)	457
Massifs of the middle course of the Ponoy river and the upper course of the Strel'na river (Ivanov, A.M. and Morozov, A.I.)	458

Card 9/11

	SOV/1192
Geology of the USSR (cont.)	
Massif south of Lake Purnach (Yudin, B.A.)	462
Alkaline granites of the northwestern part of the Kola region	466
The Chagveuayv massif (Yeliseyev, N.A.)	466
Alkaline granites of the White Sea region	467
Massifs in the Kanozero area (Batiyeva, I.D.)	467
Massifs in the vicinity of the Sal'nyye, Tepsi, Kareka	472
and Terma tundras (Ozhinskiy, I.S.)	474
Massifs in the area of Por'ya gulf (Ozhinskiy, I.S.)	477
Group of basic dikes (Yeliseyev, N.A.)	479
Middle Paleozoic shield intrusions	
Nepheline-syenite intrusions of Khibinskiye and Lovozerskiye	479
tundras (Yeliseyev, N.A.)	
Nepheline-syenite lodes of other regions of the Kola Peninsula	499
(Kharitonov, L.Ya.)	501
Conclusion (Kharitonov, L.Ya. and Yeliseyev, N.A.)	
Objectives in further studies of the Paleozoic of the Kola	508
Peninsula (Yeliseyev, N.A. and Kharitonov, L.Ya.)	509
Cenozoic Era	
Quaternary deposits (Lavrova, U.A.)	509

Card 10/11

Geology of the USSR (Cont.)	sov/1192
Ch. V. Tectonics (Kharitonov, L.Ya.)	548
Tectonic grouping	548
Structure description	553
Kola region	553
White Sea region	614
Ch. VI. Geomorphology (Apukhtin, N.I.)	632
Ch. VII. History of Geological Development (Kharitonov, L.Ya.)	653
Bibliography	673
Index of Geographical Names	697
Subject Index	708

AVAILABLE Library of Congress

Card 11/11

MM/gmp
3-6-59

AUTHOR: Rikhter, G. D., Professor 50-2-23/49

TITLE: In the Roumanian Society for Natural Science and Geography (V Rumynskom obshchestve yestestvoznanija i geografii)

PERIODICAL: Vestnik AN SSSR, 1958, Nr 2, p. 89 (USSR)

ABSTRACT: A scientific meeting was held from October 18 to October 19, 1957. 22 lectures were held, among others by the director of the Institute for Geography of the Academy of the Roumanian People's Republic K. Kherest on the collaboration of Roumanian and Soviet geographers during the compilation of a monography on the Roumanian People's Republic. P. Kotets reported on the geomorphological map of the Roumanian People's Republic and Kr. Stan on changes in the geography of the Roumanian industry. As representatives of the Soviet scientists O. A. Konstantinov and G. D. Richter lectured on observational results during the expedition to the antarctic sea and on problems of the division into sections in Soviet publications on economic geography. After the meeting was concluded, the Soviet delegates visited

Card 1/2

In the Roumanian Society for Natural Science and
Geography

30-2-23/49

a number of Roumanian towns and gave lectures in several
of them.

AVAILABLE: Library of Congress

1. Geography-Rumania
2. Geography-Economic aspects-Rumania
3. Scientific organizations-Rumania

Card 2/2

AUTHOR: None Given SOV/ 6-58-6-20/21

TITLE: Chronicle (Khronika)

PERIODICAL: Geodeziya i kartografiya, 1958, Nr 6, pp. 78-79 (USSR)

ABSTRACT: From April 24 - 26, 1958, a scientific-technical conference took place at the Moscow Institute of Geodesy, Aerial Photography and Cartography Engineers (Moskovskiy institut inzhe-narov geodezii, aerofotos"yomki i kartografii). Besides the professors, teachers and students of the institute it was attended by following scientists: representatives of the production organizations, of the scientific research institutes and universities. P. S. Zakatov, Director of the Institute, opened the conference and communicated the results of the scientific research work carried out in the past year: he also spoke about the problems concerning the agenda.
At the plenary sessions the following lectures were held:
A. I. Ivanov, Docent: "Fighting Revisionism in the Present Stage". A. I. Durnev, Professor: "On the Construction and the Principles in Balancing the Principal Geodesic Network of the USSR". G. D. Rikhter, Professor, participant in the Antarctic expedition: "Oases of the Antarctic and the Charac-

Card 1/3

Chronicle

SOV/ 6-58-6-20/21

teristic features in Surveying".

At the sessions of the geodesic section the following lectures were held:

A. M. Virovts , Professor (or more probably: Virovets): "On the Evaluation in Rectangular Coordinates of Some Types of Geodesic Networks According to Directly Measured Data at the Ellipsoid". M. S. Murav'yev, Docent: "On Monuments of Especially High Stability". V. P. Kozlov, Candidate of Technical Sciences: "Calculation of the Approximative Weight Values of the Most Probable Values in Geodesic Networks". V. G. Selikhanovich, Docent: "The Life and Pedagogic-Scientific Activity of A. P. Bolotov". V. D. Bol'shakov, Candidate of Technical Sciences: "Optical Distance Measurement at Night". N. V. Yakovlev, Assistant: "On the Problems Concerning the Method Employed in the Precision Measurement of Angles in Municipal Triangulation of First Order". A. K. Pevnev, Aspirant: "On the Project of a Level With Freely Supported Mirror". Ye. I. Donskikh, Aspirant, Chief Engineer of the Geodesic Department in Building the Kuybyshev Water Power Central: "Triangulation of the Kuybyshev Water Power Central During Prospecting". A. S. Dmitriyev, Teacher: "Extracts From the

Card 2/3

SOV/ 6-58-6-2o/21

History of Geodesy and Cartography in the First Years of
Soviet Government (1917 - 1923)".

1. Cartography 2. Geodesics 3. Scientific reports

Card 3/3

PREOBRAZHENSKIY, Vladimir Sergeyevich; RIKHTER, G.D., doktor geograf.nauk,
otv.red.; VOLYNSKAYA, V.S., red.izd-va; NOVICHKOVA, N.D., tekhn.red.

[Description of the nature of the Donets Ridge] Ocherki prirody
Donetskogo kriazha. Moskva, Izd-vo Akad.nauk SSSR, 1959. 197 p.
(MIRA 12:8)

(Donets Ridge--Physical geography)

KIRK TIER, G.D.

3(47) P. V. S. Protopopov, Tech. Ed. M.I.
Vesteyar, [Proceedings of the Conference on Hydrology and Water Resources, Vol. 2, Leningrad], 1947.
Trudy Inst. Zemel'noi Khozyaistva i Gidrologii (Proceedings of the Institute of Land Management and
Earth Hydrology), No. 1, v. 3, "Hydrology," Leningrad, 1959. 170 p. Erreka, 1959.
2,000 copies printed.

Sponsoring agency: Glavnaya upravleniye gidrometeorologicheskoy
sluzhby pri Sovete Rabochiy SSR.

Rep. Ed.: V.A. Uryayev; Ed.: V.S. Protopopov; Tech. Ed.: M.I.
Basmina.

PURPOSE: This work is intended for meteorologists, hydrologists, and
hydrophysicists, particularly those engaged in the study of snow
and ice and evaporation processes.

COVERAGE: This book contains papers on hydrophysic which were pre-
sented and discussed at the Third All-Union Hydrological Conference
in Leningrad, October 1957. The Conference published 10 volumes
on various aspects of hydrology of which this is number 3. The
editorial board in charge of the series includes: V.A. Uryayev,
(Chairman), O.A. Alekin, Ye.V. Biltzuk (deceased), O.N. Boreuk,
M.A. Veilkanov, A.P. Domantik, O.P. Malinin, S.M.
Kritskiy, B.I. Kudinov, L.P. Manova, M.P. Menke, I.B.P. Orlov,
I.V. Popov, A.K. Proskuryakov, D.L. Sodolovskiy, G.A. Starikov,
A.I. Chebotarev, and S.K. Cherkavskiy. This volume is divided in-
to 2 sections: the first contains reports from the subsection
for the study of evaporation processes, and the second contains
reports from the snow and ice subsection. References accompany
each article.

Budorin, A.I. [Candidate of Technical Sciences, Institute of
Geography, Moscow] Evaporation from the Surface of a Vegetation
Cover 125

Pedoren, S.P. [Candidate of Technical Sciences, VNIGI Valday]
Evaporation Under Forest Conditions 131

Muratov, V.I. [Candidate of Technical Sciences, GDI Leningrad]
Evaporation from Bodies of Water Affected by Plant Growth 140

Semenov, V.P. [Candidate of Technical Sciences, Belorussia
NII for Soil Improvement and Water Economy] The Effect of Drainage
on the Evaporation Regime 143

Ryshchikov, V.A. [Candidate of Physical and Mathematical Sciences,
Voronezh] Hydrological Features of the Northern Steppes 156

Shcherbakov, Ye.Ya. [Candidate of Geographical Sciences, Institute
of Geography, Moscow] The Daily Rate of Melting of the Snow-Cover Elements
in the Mountains of the Caucasus 166

Shcherbakov, Ye.Ya. [Candidate of Geographical Sciences, Institute
of Geography, Moscow] The Effect of the Evaporation Subsection of the
Section of the Evaporation Subsection of the Hydrophysics 174

Blinov, G.D. [Professor, Doctor of Geographical Sciences, Institute
of Geography, Moscow] Geography of the Snow Cover in the
USA 209

Shcherbakov, Ye.Ya. [Candidate of Geographical Sciences, GDI Leningrad]
Study of the Snow-cover Regime in the USSR 215

Kuzmin, B.P. [Candidate of Geographical Sciences, GDI Leningrad]
Methods and Results of Computing the Intensity (Rate) of
Snow Melting in European USSR 220

GRIGOR'YEV, S.V.; GRITSEVSKAYA, G.L.; RIKHTER, G.D., prof., otv.red.;
TSVETKOV, N.V., red.izd-va; KRUGLIKOV, N.A., tekhn.red.

[Catalog of Karelian lakes] Katalog ozer Karelii. Moskva,
Izd-vo Akad.nauk SSSR, 1959. 237 p. (MIRA 13:4)
(Karelia--Lakes--Catalogs)

SOV/10-59-1-6/32

AUTHORS: Krotov, V.A., Pomus, M.I., and Rikhter, G.D.

TITLE: The Development of Productive Forces Under the Seven Year Plan (Razvitiye proizvoditel'nykh sil v semi-letnem plane) Means of the Development of Productive Forces in Eastern Siberia (Puti razvitiya proizvoditel'nykh sil Vostochnoy Sibiri)

PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya geograficheskaya, 1959, Nr 1, pp 52-63 (USSR)

ABSTRACT: This article outlines the tasks confronting the geographers in connection with the planned development of Eastern Siberia under the seven year plan. These tasks include: 1) intensification of the study of unassessed natural resources; 2) taking an inventory of known resources; 3) the study of permafrost; 4) the working out of the seismic and geo-industrial subdivisions of the area; 5) the preparation of maps of soils; 6) the compilation of a 1 : 1,000,000 geological map of Eastern Siberia and a

Card 1/5

SOV/10-59-1-6/32

The Development of Productive Forces Under the Seven Year Plan;
Means of the Development of Productive Forces in Eastern Siberia

series of geomorphological, hydrological, geo-industrial survey maps of all Eastern Siberia; 7) the further explorations of agro-climatic and soil-botanical factors, etc. As the background of these tasks, the article delineates the principal points of the proposed development that calls upon Eastern Siberia to become the Soviets principal producer of timber, furs, hydro-electric power, coal and non-ferrous metals, and one of the largest producers of iron, metal products, chemical products and synthetic plastics. Eastern Siberia's assessed deposits of coal reach over six trillion tons (70% of the total Soviet deposits). The area of forests has an expanse of 338,000,000 hectares. The already-known deposits of iron ore are estimated at 5.3 billion tons. Eastern Siberia has 50% of Soviet hydroelectric resources or over 90 billion kw of potential energy. It has some of the USSR's largest

Card 2/5

SOV/10-59-1-6/32

The Development of Productive Forces Under the Seven Year Plan:
Means of Development of Productive Forces in Eastern Siberia

deposits of nickel, cobalt, mica, molybdenum, lead, tungsten, gold, diamonds, asbestos, graphite, magnetite, talc, alumina, salt and other minerals. The cost-price of electric power produced by hydropower plants on the Angara and Yenisey rivers is expected to be three times cheaper than produced by power centers on the Volga. Brown coal from open coal pits at Krasnoyarsk is five times cheaper than coal from the Donets Basin and three times cheaper than coal from the Kuznetsk Basin. Its cast iron and aluminum are also expected to be the cheapest. On account of their low cost-price, such East Siberian products can bear the rather expensive transportation prices. The authors mention quite a few new industrial, transportation, mining and other projects, and outline in general the contours of new industrial-economic districts, and other data pertaining to the proposed transformation of Eastern

Card 3/5

SOV/10-59-1-6/32

The Development of Productive Forces Under the Seven Year Plan;
Means of Development of Productive Forces in Eastern Siberia

Siberia into a huge and complex economic unit. They note the difficulties and the auspicious conditions. A series of regional conferences on the development of the productive forces of Eastern Siberia was crowned in August 1958, by a conference in Irkutsk, convoked by the AS of the USSR, the State Planning Commission, and the Council of Ministers of the RSFSR. It was attended by representatives from party-soviet-planning and economic organizations. Over 8,000 scientists and specialists from various branches of the national economy participated in the conferences, which assessed the techno-economic resources of Eastern

Card 4/5

SOV/10-59-1-6/32

The Development of Productive Forces Under the Seven Year Plan;
Means of Development of Productive Forces in Eastern Siberia

Siberia, and laid down a concrete program of action.

ASSOCIATION: Institut geografii AN SSSR (Institute of Geography
of the AS USSR) Vostochno-Sibirskiy filial AN SSSR
(Eastern-Siberian Branch of the AS USSR)

Card 5/5

RIKHTER, Gavriil Dmitriyevich, doktor geograf.nauk; FAYNBOYM, I.B., red.;
SAVCHENKO, Ye.V., tekhn.red.

[Snow and its utilization] Sneg i ego ispol'zovanie. Moskva,
Izd-vo "Znanie," 1960. 29 p. (Vsesoiuznoe obshchestvo po raspro-
straneniiu politicheskikh i nauchnykh znanii. Ser.9, no.2)
(MIRA 13:1)

(Snow)

PHASE I BOOK EXPLOITATION

SOV/5462

Sovetskaya antarkticheskaya ekspeditsiya, 1955.

Vtoraya morskaya ekspeditiya na d/e "Ob'" 1956-1957 gg.; nauchnyye rezul'taty
(Second Marine Expedition on the Diesel-Electric Ship "Ob'", 1956-57; Scien-
tific Results) Leningrad, Morskoy transport, 1960. 163 p. (Series: Its:
[Materialy] no. 7) 1,200 copies printed.

Sponsoring Agency: Mezhdunarodnyy geofizicheskiy god and Arkticheskiy i
antarkticheskiy nauchno-issledovatel'skiy institut.

Ed. (Title page): I.V. Maksimov, Doctor of Geographical Sciences, Professor;
Ed.: Ye. I. Oksenova; Tech. Ed.: O. I. Kotlyakova.

PURPOSE: This book is intended for marine geologists and hydrologists.

COVERAGE: This is a collection of 9 articles on the hydrogeological and geo-
logical findings of the Second Soviet Marine Expedition, sponsored by the
Arctic and Antarctic Scientific Research Institute of the Ministry of the
Merchant Marine of the USSR as part of the International Geophysical Year
program. The expedition, conducted on the diesel ship "Ob'" during 1956-57,

Card 1/4

Second Marine Expedition (Cont.)

SOV/5462

covered the entire Indian Ocean and the coast of Antarctica between 0 and 120° east longitude. The present volume, the seventh and last in a series on the Second Expedition, describes the work of the Expedition in investigating the following: The geomorphology of the sea bottom, by means of sounding devices; the geological structure and profile of the East Antarctic waters and the southern part of the Indian Ocean, through the collection of benthic deposits; the seismic-acoustical determination of the thickness of friable bottom deposits; analysis of surface and depth suspensions; the relief of the bottom of the Davis Sea and the area north of it; the Gauss-Kerguelen underwater range; the continental slope and shelf of Antarctica between 20 and 100° east longitude and 40 and 70° south latitude; the geomorphology of Queen Maud Land and Queen Mary Coast; glacier exaration; seasonal quantitative and qualitative longitudinal and latitudinal distribution of plankton in the Antarctic sector of the Indian Ocean; arctic fauna, including whales, seals, birds, fish, marine parasites, and microorganisms. The articles are written by members of the Institut okeanologii AN SSSR (Institute of Oceanology AS USSR); Institut geografii AN SSSR (Institute of Geography AS USSR), Zoologicheskiy institut AN SSSR (Zoological Institute AS USSR), and Institut rybnogo khozyaystva i okeanografii (Institute of Fish Industries and Oceanography). No personalities are mentioned. Each article is accompanied by references.

Card 2/4

Second Marine Expedition (Cont.)

SOV/5462

TABLE OF CONTENTS:

Foreword	5
Lisitsyn, A.P. Marine Geological Research	7
Zhivago, A.V. Geomorphological Research	44
Rikhter, G.D. Denudation Processes in Antarctica	72
Arsen'yev, V.A. Observations of Antarctic Marine Animals and Birds	85
Barsukov, V.V., and Yu. Ye. Permitin. Ichthyological Research	97
Gusev, A.V. Parasitological Research	105
Korotkevich, V.S., and K.V. Beklemishev. Studies of Zooplankton	111
Pasternak, F.A., and A.V. Gusev. Benthonic Research	126

Card 3/4

Second Marine Expedition (Cont.)	SOV/5462
Beklemishev, K.V. Phytoplankton Research	143
Lebedeva, M.N. Microbiological Research	153
AVAILABLE: Library of Congress (G860.S58)	
Card 4/4	JA/dwm/mas 9-20-61

SOCHAVA, V.B., otv. red.; KROTOV, V.A., prof., otv.red.; GERASIMOV, I.P.,
skad., red.; POKSHISHEVSKIY, V.V., prof. red.; RIKHTER, G.D.,
prof., red.; VOROB'YEV, V.V., kand.geogr.nauk, red.; KUDINOVA,
L.I., red.; KHMEL'NITSKAYA, Ye.S., red.; SEPPING, N.G., red.;
PECHERSKAYA, T.I., tekhn.red.

[Geographical problems of Siberia and the Far East; results of
the First Scientific Conference of the Geographers of Siberia and
the Far East] Problemy geografii Sibiri i Dal'nego Vostoka; itogi
Pervogo nauchnogo soveshchaniia geografov Sibiri i Dal'nego Vosto-
ka. Irkutsk, Irkutskoe knizhnoe izd-vo, 1960. 133 p.
(MIRA 14:5)

1. Akademiya nauk SSSR. Sibirskoye otdeleniye. Institut geografii
Sibiri i Dal'nego Vostoka. 2. Chlen-korrespondent AN SSSR (for
Sochava)
(Siberia--Geography) (Soviet Far East--Geography)

RIKHTER, G.D., doktor geograf.nauk, otv.red.; SENILOVA, M.N., red.izd-va;
POLYAKOVA, T.V., tekhn.red.

[Geography of the snow cover] Geografiia snezhnogo pokrova.
(MIRA 13:2)
Moskva, 1960. 220 p.

1. Akademiya nauk SSSR. Institut geografii.
(Snow)

S/169/61/000/010/013/053
D228/D304

AUTHOR: Rikhver, G. D.

TITLE: The snow cover

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 10, 1961, USSR,
abstract 10V536 (V. N. Gerasimov et al., Institute of Geophysics,
1960, 310-319).

TEXT: The development of the study of snow and the snow cover is
briefly sketched. Methods of further research are outlined. It is sug-
gested that the study of snow from the moment of its formation in the
atmosphere should be initiated, that the physico-mechanical properties of
the snow cover should be investigated, that snow accumulating like a rock
on the ground surface should be examined, that the patterns of snow dis-
tribution and snow-mass conditions on the USSR's territory should be re-
vealed, and that practical measures for utilizing the snow cover in the
national economy should be developed. [Abstracter's note: Complete trans-
lation.]

Card 1/1

VITVITSKIY, G.N.; KRAVCHENKO, D.V.; NIKOL'SKAYA, V.V.; CHICHAGOV, V.P.;
KURENTSOV, A.I.: VOROB'YEV, D.P.; LIVEROVSKIY, Yu.A.; KARMANOV, I.N.;
PETROV, B.F.; KOLESNIKOV, B.P.; KABANOV, N.Ye.; DMITRIYEVA, N.G.;
RIKHTER, G.D., doktor geogr. nauk, otv. red.; LADYCHUK, L.P., red.
izd-va; DOROKHINA, I.N., tekhn. red.

[The Far East; its physical geography] Dal'nii Vostok; fiziko-
geograficheskaya kharakteristika. Moskva, 1961. 436 p.
(MIRA 14:9)

1. Akademiya nauk SSSR. Institut geografii. 2. Institut geografii
AN SSSR (for Vitvitskiy, Kravchenko, Nikol'skaya, Chichagov). 3. Dal'-
nevostochnyy filial AN SSSR (for Kurentsov, Vorob'yev). 4. Pochven-
nyy institut AN SSSR (for Liverovskiy, Karmanov, Petrov). 5. Biologi-
cheskiy institut Ural'skogo filiala AN SSSR (for Kolesnikov). 6. In-
stitut lesa AN SSSR (for Kabanov). 7. TSentral'nyy institut prognozov
(for Dmitriyeva).

(Soviet Far East--Physical geography)

LYUBIMOVA, Yelena L'vovna; RIKHTER, G.D., otv.red.; NIKOL'SKAYA, V.V.,
otv.red.; STRIGIN, V.M., red.; KONOVALYUK, I.K., mladshiy red.;
MAL'CHEVSKIY, G.N., red.kart; KOSHELEVA, S.M., tekhn.red.

[Kamchatka; physicogeographical study] Kamchatka; fiziko-geogra-
ficheskii ocherk. Moskva, Gos.izd-vo geogr.lit-ry, 1961.
(Kamchatka--Physical geography)

RIKHTER, G.D.; POKSHISHEVSKIY, V.V.

Geographical works published in the U.S.S.R. for the 19th International
Geographical Congress, Izv. AN SSSR, Ser. geog. no.1:144-146 Ja-F
'61. (MIRA 14:2)
(Bibliography— Geography)

RIKHTER, G.D.; SAVINA, S.S.

Conference on agroclimatic resources. Izv. AN SSSR. Ser. geog.
no.2:123-125 Mr-Ap '61. (MIRA 14:3)
(Vegetation and climate)(Agricultural geography)

RIKHTER, G.D.

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5. Pochvennyy muzey AN SSSR (for Zel'nikov). 6. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova (for Karavayev).
7. Proizvodstvennyy nauchno-issledovatel'skiy institut stroitel'stva Gosstroya SSSR (for Kachurin). 8. Institut geografii Sibiri i Dal'nego Vostoka Sibirskog otdeleniya AN SSSR (for Kosmachev).

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(CAPILLARIES, anat. & histol.
large hemispheres, eff. of wds., microscopy)
(MICROSCOPY
capillaries of large hemispheres, eff. of inj.)

RIKHTER, I. D.

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AUTHORS: Perveyev, F. Ya., Rikhter, K.

TITLE: Reaction of Hydrogen Phosphide With Acetylenic α -Oxides

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 3, pp 784-789 (USSR)

ABSTRACT: Acetylenic oxides (I)-(IV) in reaction with monosodium phosphine gave new acetylenic hydroxyphosphines. 2-methyl-1, 3-epoxy-3-oxtyne (I) stirred for 80 hr with NaPH₂ gave 1-phosphinyl-2-methyl-2-hydroxy-3-octyne (V, yield 73%, bp 64-65° C at 0.5 mm; n_D²⁰ 1.4948, d₄²⁰ 0.9360). Similarly, 2-methyl-1,2-epoxy-3-pentyne (II) gave in 46 hr 1-phosphinyl-2-methyl-2-hydroxy-3-pentyne (VI, yield 73% bp 50-51° C at 1 mm, n_D²⁰ 1.5063, d₄²⁰ 0.9380). The above phosphines were mobile liquids with the characteristic phosphine odor; they were readily soluble in methanol, ethyl acetate, ethyl ether, but were insoluble in water.

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